

## US00D356932S

## United States Patent [19]

## Owens et al.

[11] Patent Number: Des. 356,932

[45] Date of Patent: \*\* Apr. 4, 1995

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CHUCK		OTHER PUBLICATIONS
Inventors:	Valerie D. Owens, Townville; Robert O. Huff, Piedmont, both of S.C.	The following Jacobs ® Manufacturing Company drawings: No. 96-030413 dated Aug. 9, 1990. No. 96-030420 dated May 9, 1990.
Assignee:	Jacobs Chuck Technology Corporation, Wilmington, Del.	No. 96-030643 dated Jul. 18, 1990. No. 96-030667 dated Sep. 24, 1990. No. 96-030678 dated Oct. 29, 1990.
Term:	14 Years	No. 96-030679 dated Oct. 29, 1990. No. 96-030684 dated Nov. 28, 1990.
Appl. No.:	5,448	No. 96-030715 dated Apr. 12, 1991. No. 96-030732 dated Dec. 11, 1991. No. 96-030736 dated Sep. 30, 1991.
		No. 96-030742 dated Oct. 25, 1991. No. 96-030748 dated Nov. 13, 1991.
		No. 96-030752 dated Nov. 13, 1991. No. 96-030758 dated Nov. 19, 1991.
408/124, 125; 279/103, 123		No. 96-030772 dated Nov. 19, 1991.
		No. 96-030775 dated Jan. 6, 1992.
[56] References Cited		No. 96–030809 dated Mar. 12, 1992.
U.S. PATENT DOCUMENTS		No. 96–030816 dated May 26, 1992. No. 96–031040 dated Jan. 14, 1993.
0. 328,556 8/1 0. 332,208 1/1	1992 Fushiya et al	Primary Examiner—Alan P. Douglas Assistant Examiner—J. H. Musgrove Attorney, Agent, or Firm—Dority & Manning
•		[57] CLAIM
1,773,034 8/1	1930 Englund.	The ornamental design of a chuck, as shown and described.
, ,		DESCRIPTION
4,695,065 9/1 4,848,779 7/1 4,951,955 8/1 5,009,439 4/1	1987 Komatsu et al 1989 Wheeler et al 1990 Sakamaki . 1991 Sakamaki .	FIG. 1 is a perspective view of a chuck in accordance with an embodiment of the present invention; FIG. 2 is a top view of the chuck illustrated in FIG. 1; FIG. 3 is a bottom view of an embodiment of the chuck illustrated in FIGS. 1 and 2;
	Inventors:  Assignee:  Term:  Appl. No.:  Filed: U.S. Cl  Field of Sea  81  293,296 12/1  328,556 8/1  332,208 1/1  333,080 2/1  913,059 2/1  1,773,034 8/1  1,784,002 12/1  3,807,745 4/1  4,381,116 4/1  4,695,065 9/1  4,951,955 8/1  5,009,439 4/1	Inventors: Valerie D. Owens, Townville; Robert O. Huff, Piedmont, both of S.C.  Assignee: Jacobs Chuck Technology Corporation, Wilmington, Del.  Term: 14 Years  Appl. No.: 5,448  Filed: Mar. 5, 1993 U.S. Cl

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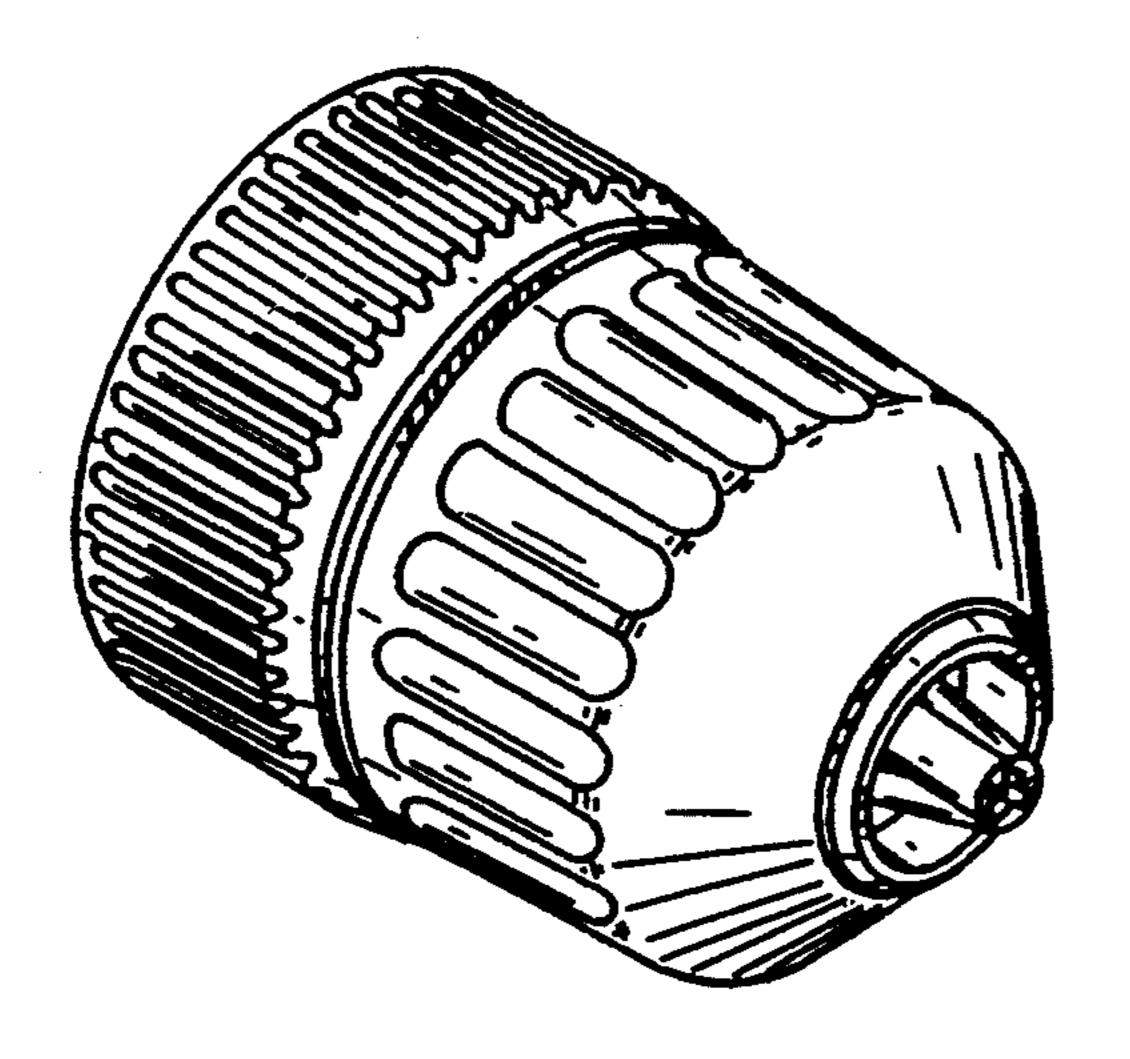
5,044,643 9/1991 Nakamura.

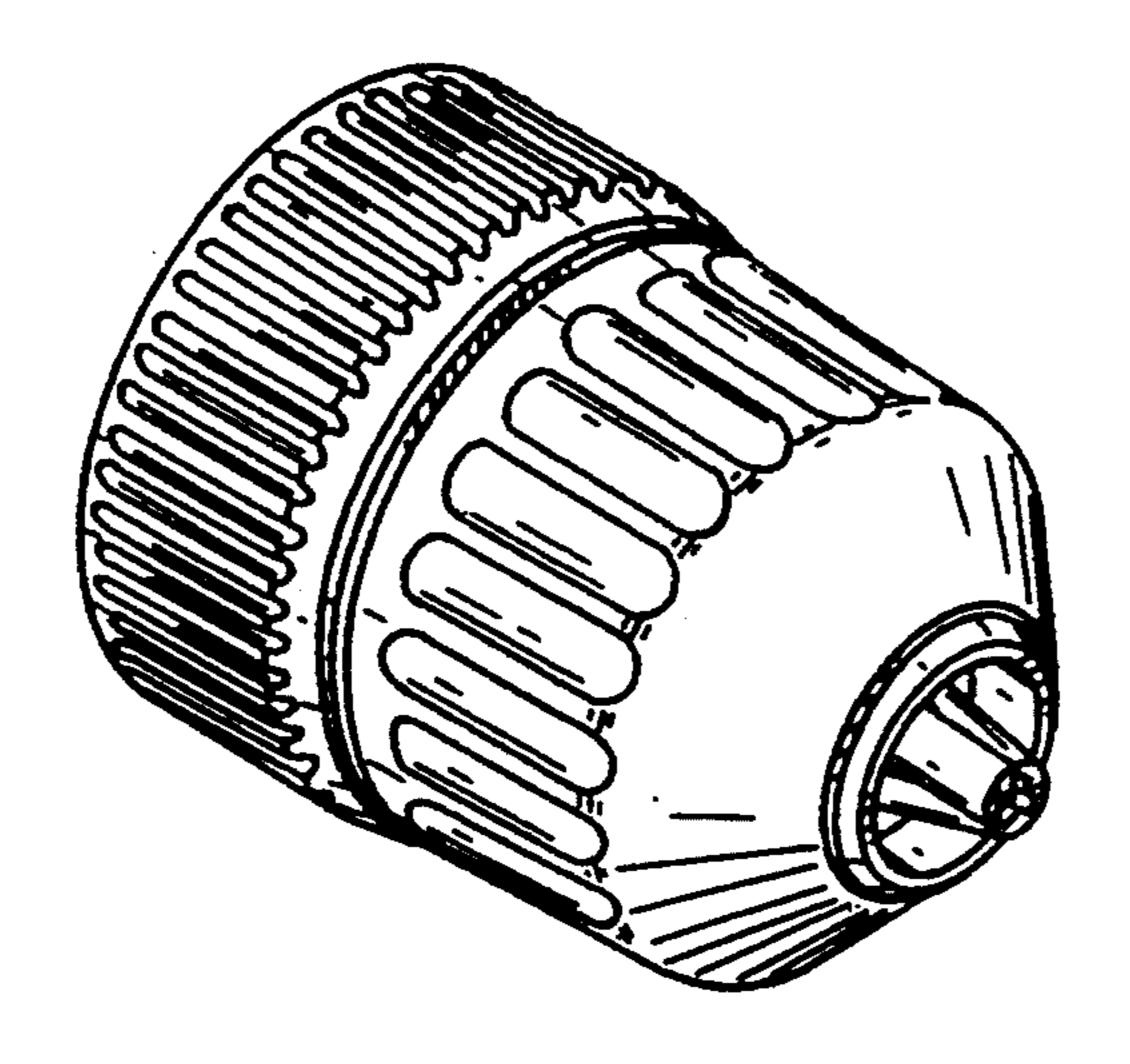
5,234,223 8/1993 Sakamaki.

illustrated in FIGS. 1 and 2;

FIG. 4 is a side view of the chuck illustrated in FIG. 3; FIG. 5 is a bottom view of another embodiment of the chuck illustrated in FIGS. 1 and 2; and,

FIG. 6 is a side view of the chuck illustrated in FIG. 5.





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FIG. 1

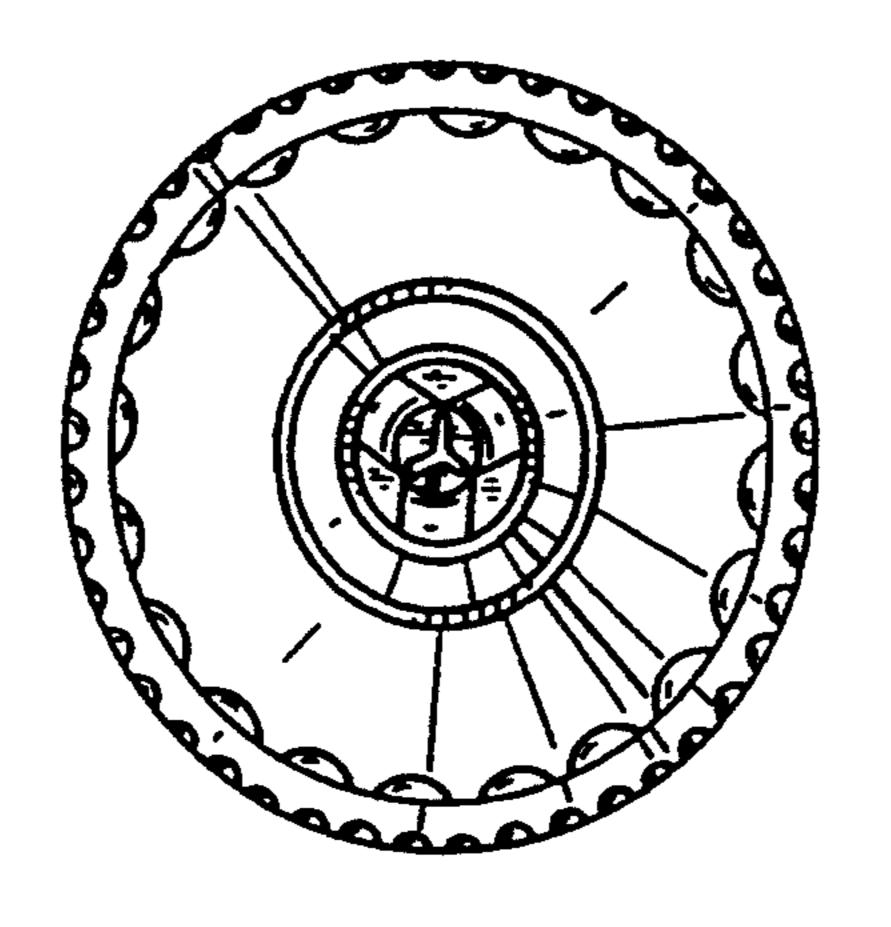
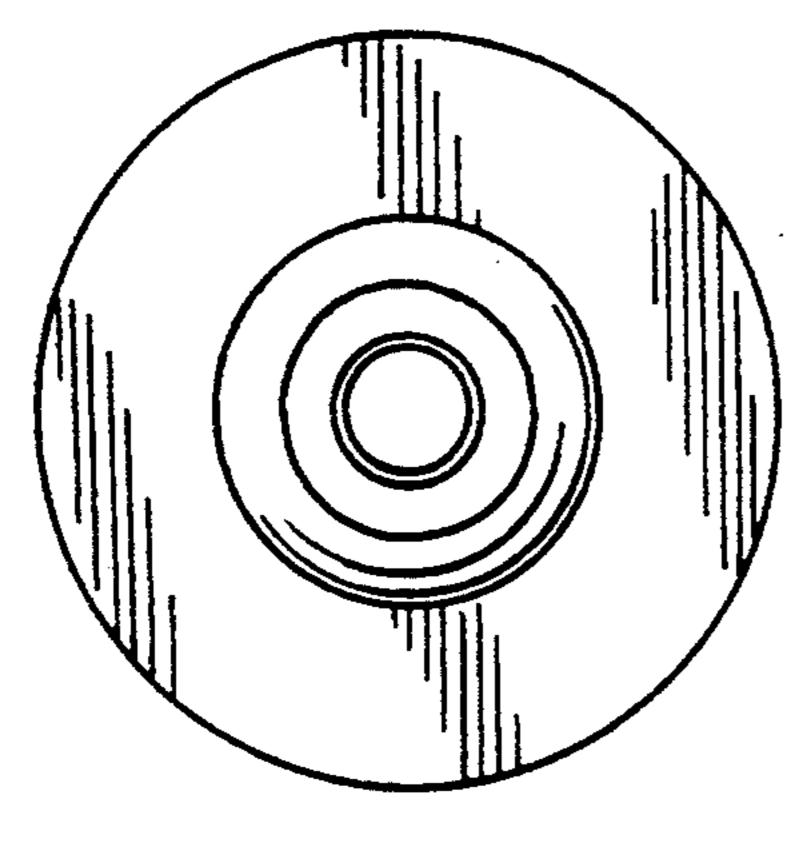


FIG. 2



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FIG. 3

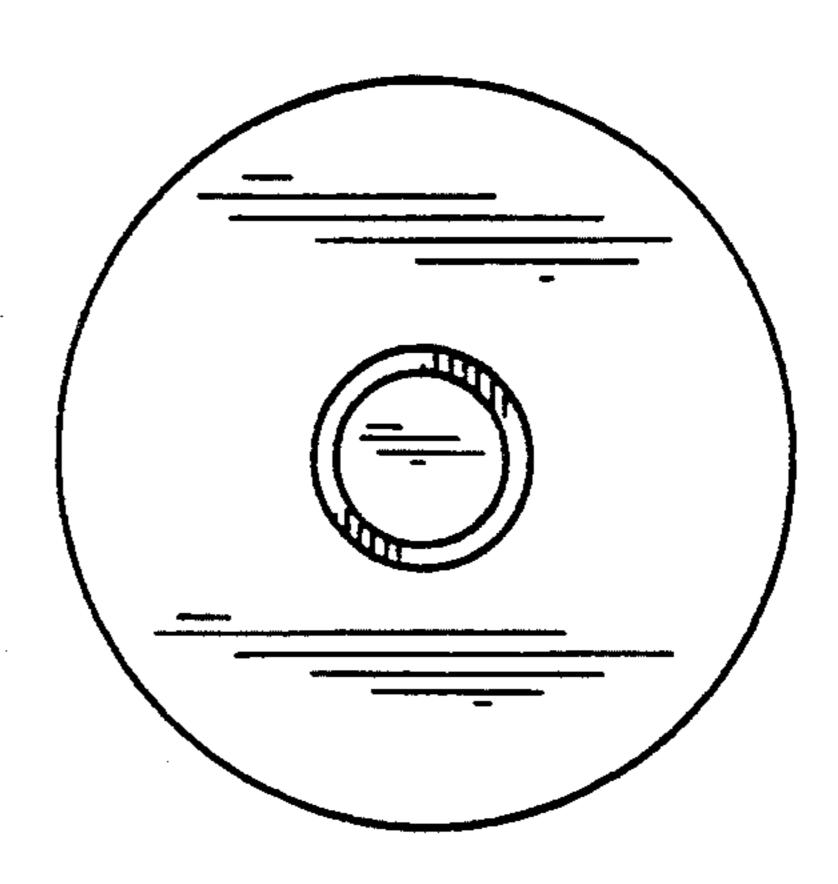


FIG. 5

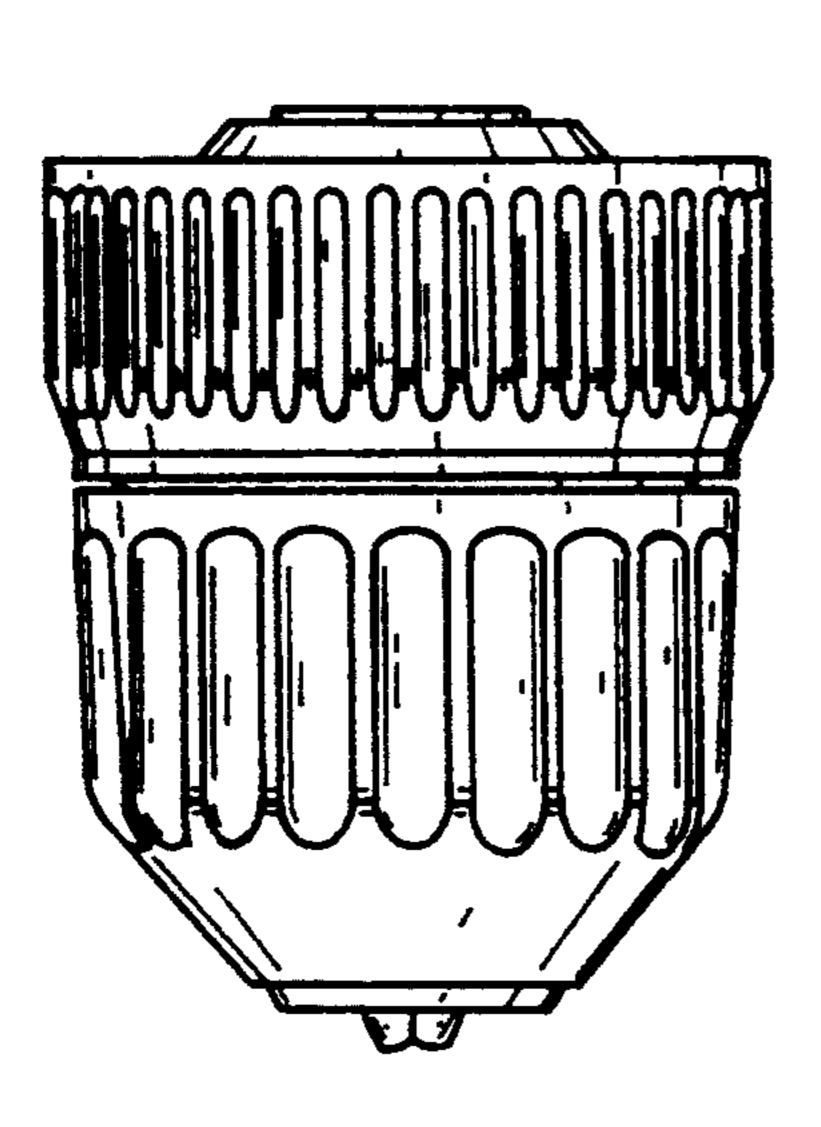


FIG. 4

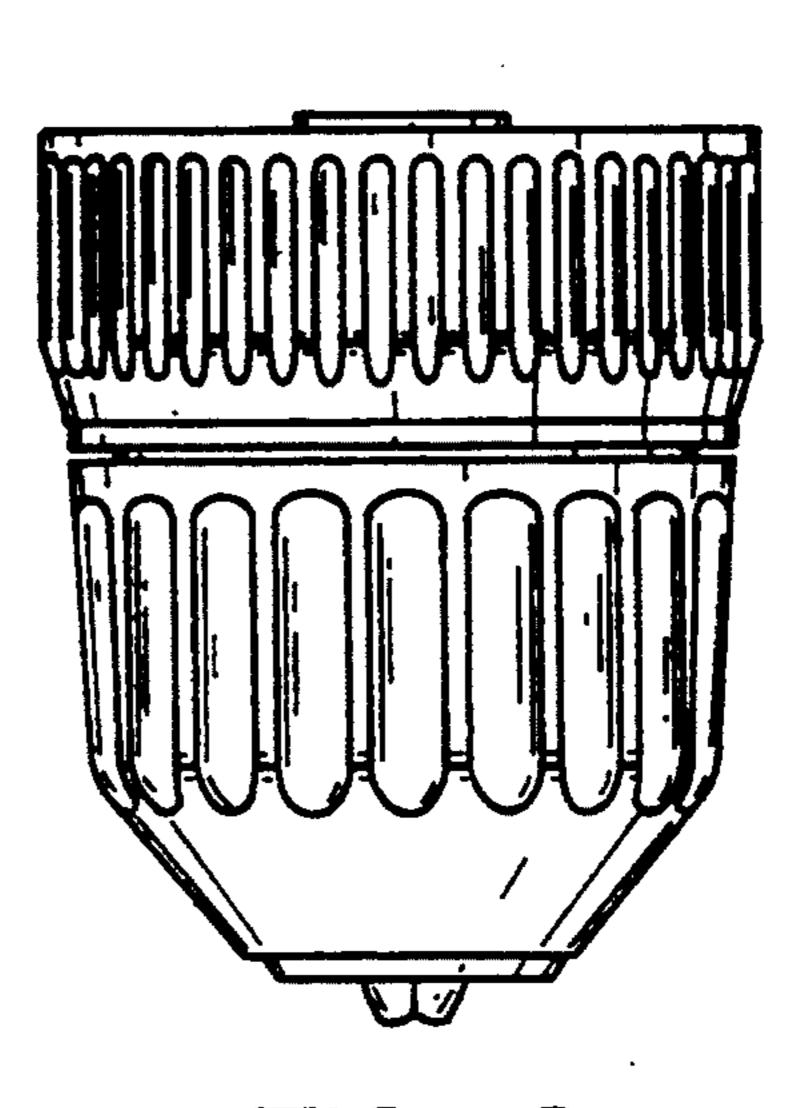


FIG. 6